



SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Attorney Docket No. 5634.345	Serial No. 08/498,002
CITATION FORM		Applicant(s) John C. Harvey and James W. Cuddihy	
		Filing Date 7-Jun-95	Group Art Unit 2602

UNITED STATES PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
	27,810	November 20, 1973	Buehrle	325/321	
	33,189	September 3, 1861	Dougal		
	2,418,127	April 1, 1947	Labin	178/44	
	2,563,448	August 7, 1951	Aram	178/5.1	
	2,731,197	January 17, 1956	Parker et al.	235/60	
	3,071,649	January 1, 1963	Goodall	179/1.5	
	3,107,274	October 15, 1963	Roschke	178/5.1	
	3,133,986	May 19, 1964	Morris et al.	178/5.1	15
	3,251,051	May 10, 1966	Harries	340/345	15
	3,470,309	September 30, 1969	Nyberg	178/5.1	15
	3,478,166	November 11, 1969	Reiter et al.	178/5.1	15
	3,526,843	September 1, 1970	Sanville	329/104	15
	3,546,684	December 8, 1970	Maxwell et al.	340/172.5	15
	3,639,686	February 1, 1972	Walker et al.	178/5.8R	15
	3,649,749	March 14, 1972	Gibson	178/5.6	15
	3,651,261	March 21, 1972	Guanella	178/22	
	3,666,888	May 30, 1972	Sekimoto	178/69.5 TV	
	3,723,637	March 27, 1973	Fujio et al.	178/5.8R	
	3,746,799	July 17, 1973	Gentges	178/22	
	3,755,624	August 28, 1973	Sekimoto	178/69.5 TV	
	3,769,579	October 30, 1973	Hamey	325/31	
	3,773,979	November 20, 1973	Kirk, Jr. et al.	179/15 FD	
	3,777,053	December 4, 1973	Wittig et al.	178/5.1	
	3,789,131	January 29, 1974	Hamey	178/5.6	
	3,794,922	February 26, 1974	Osborn et al.	325/53	
	3,795,763	March 5, 1974	Golding et al.	178/5.6	
	3,813,482	May 28, 1974	Blonder	178/5.1	
	3,826,863	July 30, 1974	Johnson	178/5.1	
	3,859,596	January 7, 1975	Jennery et al.	325/31	
	3,882,289	May 6, 1975	Walding et al.	200/11 D	
	3,885,089	May 20, 1975	Callais et al.	178/5.1	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.S./

3,889,054	June 10, 1975	Nagel et al.	178/6.8
3,894,177	July 8, 1975	Howell et al.	178/5.6
3,896,262	July 22, 1975	Hudspeth et al.	178/5.1
3,896,266	July 22, 1975	Waterbury	179/1 SB
3,916,091	October 28, 1975	Kirk, Jr. et al.	178/5.1
3,924,059	December 2, 1975	Horowitz	178/5.1
3,950,618	April 13, 1976	Bloisi	179/2 AS
3,958,081	May 18, 1976	Ehrsam et al.	178/22
3,975,585	August 17, 1976	Kirk, Jr. et al.	178/5.1
3,980,012	November 2, 1976	Karnes	325/396
3,995,586	December 7, 1976	Dillon et al.	340/347 DD
4,004,085	January 18, 1977	Makino et al.	340/324
4,008,369	February 15, 1977	Theurer et al.	358/84
4,013,875	March 22, 1977	McGlynn	235/150.2
4,015,286	March 29, 1977	Russell	358/13
4,017,697	April 12, 1977	Larson	200/5 A
4,019,201	April 19, 1977	Hartung et al.	358/124
4,020,419	April 26, 1977	Caspari et al.	325/421
4,024,574	May 17, 1977	Nieson	358/117
4,024,575	May 7, 1977	Harmey et al.	358/117
4,027,267	May 31, 1977	Larsen	329/106
4,027,331	May 31, 1977	Nicol	358/135
4,042,958	August 16, 1977	Saylor et al.	358/141
4,044,376	August 23, 1977	Porter	358/84
4,045,814	August 30, 1977	Hartung et al.	358/120
4,054,911	October 18, 1977	Fletcher et al.	358/141
4,064,490	December 20, 1977	Nagel	364/2000
4,070,693	January 24, 1978	Shutterly	358/120
4,075,660	February 21, 1978	Horowitz	358/120
4,079,419	March 14, 1978	Seigle et al.	358/193
4,081,754	March 28, 1978	Jackson	325/396
4,081,832	March 28, 1978	Sherman	
4,086,434	April 25, 1978	Bocchi	79/2 AM
4,088,958	May 9, 1978	Suzuki et al.	325/396
4,091,417	May 23, 1978	Nieson	358/117
4,095,258	June 13, 1978	Sperber	358/120
4,096,542	June 20, 1978	Pappas et al.	361/196
4,104,681	August 1, 1978	Saylor et al.	358/141
4,107,734	August 15, 1978	Percy et al.	358/84
4,107,735	August 15, 1978	Frobach	358/84
4,112,317	September 5, 1978	Everswick	307/308
4,112,383	September 5, 1978	Burgert	329/50
4,114,841	September 19, 1978	Muhlfelder et al.	244/166
4,120,003	October 10, 1978	Mitchell et al.	358/142

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4,124,887	November 7, 1978	Johnson et al.	364/107
4,126,762	November 21, 1978	Martin et al.	179/2A
4,135,213	January 16, 1979	Wintfeld et al.	358/142
4,142,156	February 27, 1979	Freund	325/309
4,145,717	March 20, 1979	Gulf et al.	358/121
4,148,066	April 3, 1979	Saylor	358/127
4,156,253	May 22, 1979	Steudel	358/11
4,156,931	May 29, 1979	Adelman et al.	364/900
4,163,252	July 31, 1979	Mistry et al.	358/118
4,180,709	December 25, 1979	Cosgrove et al.	179/2 AM
4,199,656	April 22, 1980	Saylor	178/66.1
4,199,781	April 22, 1980	Doumit	358/83
4,199,809	April 22, 1980	Pasahow et al.	364/200
4,207,524	June 10, 1980	Purchase	375/22
4,214,273	July 22, 1980	Brown	358/188
4,215,366/ 31,735	November 13, 1984	Davidson	358/124
4,216,497	August 5, 1980	Ishman et al.	358/84
4,222,068	September 9, 1980	Thompson	358/120
4,225,884	September 30, 1980	Block et al.	358/122
4,245,246	January 13, 1981	Cheung	358/124
4,246,611	January 20, 1981	Davies	358/194
4,247,947	January 27, 1981	Miyamoto	455/38
4,250,521	February 10, 1981	Wright	358/8
4,258,386	March 24, 1981	Cheung	358/84
4,266,243	May 5, 1981	Shutterly	358/121
4,272,784	June 9, 1981	Saito et al.	358/127
4,273,962	June 16, 1981	Wolfe	179/7.1R
4,292,650	September 29, 1981	Hendrickson	358/123
4,295,155	October 13, 1981	Jarger et al.	358/12
4,301,542	November 17, 1981	Weintraub et al.	455/353
4,305,101	December 8, 1991	Yarbrough et al.	360/69
4,310,854	January 12, 1982	Baer et al.	358/143
4,316,217	February 16, 1982	Rifken	358/86
4,318,047	March 2, 1982	Dawson	328/112
4,323,921	April 6, 1982	Guillou	358/114
4,323,922	April 6, 1982	den Toonder et al.	358/117
4,329,711	May 11, 1982	Cheung	358/114
4,335,426	June 15, 1982	Maxwell et al.	364/200
4,340,906	July 20, 1982	den Toonder et al.	358/124
4,341,925	July 27, 1982	Frosch et al.	178/22.17
4,343,042	August 3, 1982	Schrock et al.	455/5
4,348,696	September 7, 1982	Bejer	358/188
4,351,028	September 21, 1982	Peddie et al.	364/483
4,354,201	October 12, 1982	Sechet et al.	358/122

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4,355,415	October 19, 1982	George et al.	455/185
4,358,672	November 9, 1982	Hyatt et al.	235/380
4,360,881	November 23, 1982	Martinson	364/493
4,361,848	November 30, 1982	Poignet et al.	358/1
4,361,851	November 30, 1982	Asip et al.	358/84
4,361,903	November 30, 1982	Ohta	455/2
4,365,267	December 21, 1982	Tsuda	358/84
4,378,470	March 29, 1983	Murto et al.	179/2 C
4,382,256	May 5, 1983	Nagata	340/825.44
4,385,384	May 24, 1983	Rosbury et al.	371/22
4,386,436	May 31, 1983	Kocher et al.	455/151
4,388,643	June 14, 1983	Aminetzah	358/123
4,388,644	June 14, 1983	Ishman et al.	358/84
4,390,898	June 28, 1983	Bond et al.	358/1199
4,390,901	June 28, 1983	Keiser et al.	358/147
4,392,135	July 5, 1983	Ohyagi	340/825.44
4,393,277	July 12, 1983	Besen et al.	179/2 A
4,408,345	October 4, 1983	Yashiro et al.	455/3
4,411,017	October 18, 1983	Talbot	455/26
4,414,621	November 8, 1983	Bown et al.	364/200
4,415,771	November 15, 1983	Martinez	179/5R
4,418,425	November 29, 1983	Fennel et al.	455/27
4,424,533	January 3, 1984	Rzeszewski	358/167
4,425,578	January 10, 1984	Haselwood et al.	358/84
4,425,579	January 10, 1984	Merrell	358/86
4,425,664	January 10, 1984	Sherman et al.	375/8
4,427,968	January 24, 1984	York	340/310
4,429,385	January 31, 1984	Cichelli et al.	370/92
4,430,731	February 7, 1984	Gimple et al.	370/30
4,434,438	February 28, 1984	Rzeszewski	358/167
4,439,785	March 27, 1984	Leonard	358/120
4,450,481	May 22, 1984	Dickinson	358/114
4,450,531	May 22, 1984	Kenyon et al.	364/604
4,454,538	June 12, 1984	Toriumi	358/86
4,468,701	August 28, 1984	Burcher et al.	358/181
4,471,352	September 11, 1984	Soulliard et al.	340/825.44
4,473,068	September 25, 1984	Oh	128/92D
4,475,123	October 2, 1984	Dumbauld et al.	358/114
4,476,535	October 9, 1984	Loshing et al.	364/480
4,484,218	November 20, 1984	Boland et al.	358/86
4,484,328	November 20, 1984	Schlaity	370/85
4,488,179	December 11, 1984	Kruger et al.	358/181
4,489,220	December 18, 1984	Oliver	179/2 AM
4,489,316	December 18, 1984	MacQuivey	340/700

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4,494,142	January 15, 1985	Mistry	358/118
4,496,975	January 29, 1985	Noirel	358/147
4,504,831	March 12, 1985	Jahr et al.	340/870.03
4,506,387	March 9, 1985	Walter	455/612
4,510,623	April 9, 1985	Bonneau et al.	455/181
4,528,589	July 9, 1985	Block et al.	358/122
4,531,020	July 23, 1985	Wechselberger et al.	178/22.08
4,531,021	July 23, 1985	Bluestein et al.	178/22.08
4,540,849	September 10, 1985	Oliver	179/2 AM
4,543,616	September 24, 1985	Brooks	358/335
4,547,804	October 15, 1985	Greenberg	358/142
4,554,584	November 19, 1985	Elam et al.	358/165
4,558,464	December 10, 1985	O'Brien, Jr.	455/4
4,563,702	January 7, 1986	Heller et al.	358/119
4,566,030	January 21, 1986	Nickerson et al.	358/84
4,570,930	February 18, 1986	Matheson	273/1 E
4,578,536	March 25, 1986	Oliver et al.	179/2 AM
4,578,718	March 25, 1986	Parker et al.	360/10.3
4,592,546	June 3, 1986	Fascenda et al.	273/1 E
4,592,546	June 3, 1986	Fascenda et al.	273/1 E
4,594,609	July 10, 1986	Romao et al.	358/119
4,595,952	June 17, 1986	Filliman	358/47
4,600,918	July 15, 1986	Belisomi et al.	340/711
4,600,921	July 15, 1986	Thomas	340/825.31
4,605,964	August 12, 1986	Chard	358/147
4,611,227	September 9, 1986	Brockhurst et al.	358/147
4,613,901	September 23, 1986	Gilhousen et al.	358/122
4,621,259	November 4, 1986	Schepers et al.	340/707
4,621,285	November 4, 1986	Schilling et al.	358/120
4,623,920	November 18, 1986	Dufresne et al.	358/122
4,626,892	December 2, 1986	Nortrup et al.	358/21 R
4,633,297	December 30, 1996	Skerlos et al.	358/22
4,636,858	January 13, 1987	Hague et al.	358/147
4,638,357	January 20, 1987	Heimbach	358/121
4,639,779	January 27, 1987	Greenberg	358/142
4,646,145	February 24, 1987	Percy et al.	358/84
4,649,533	March 10, 1987	Chorley et al.	370/58
4,658,290	April 14, 1987	McKenna	358/84
4,677,685	June 30, 1987	Kurisu	455/4
4,694,490	September 15, 1987	Harvey et al.	380/20
4,704,725	November 3, 1987	Harvey et al.	380/48
4,706,121	November 10, 1987	Young	358/142
4,710,919	December 1, 1987	Oliver et al.	370/96
4,710,955	December 1, 1987	Kaufman	380/10

4,718,107	January 5, 1988	Hayes	455/4
4,723,302	February 2, 1988	Fulmer et al.	455/2
4,736,422	April 5, 1988	Mason	380/120
4,744,080	May 10, 1988	Brennand et al.	280/21
4,751,732	June 14, 1988	Kamitake	380/20
4,754,326	June 28, 1988	Kram et al.	364/900
4,768,144	August 30, 1988	Winter et al.	364/200
4,768,229	August 30, 1988	Benjamin et al.	380/20
4,782,401	November 1, 1988	Faerber et al.	358/335
4,785,420	November 15, 1988	Little	364/513.5
4,796,181	January 3, 1989	Wiedmer	364/406
4,803,725	February 7, 1989	Home et al.	380/44
4,805,020	February 14, 1989	Greenberg	358/147
4,807,031	February 21, 1989	Broughton et al.	358/142
4,809,274	February 28, 1989	Walker et al.	371/37
4,816,904	March 28, 1989	McKenna et al.	358/84
4,837,799	June 6, 1989	Prohs et al.	379/224
4,839,917	June 13, 1989	Oliver	379/45
4,841,386	June 20, 1989	Schiering	360/69
4,843,482	June 27, 1989	Hegendorfer	358/335
4,849,817	July 18, 1989	Short	358/142
4,855,842	August 8, 1989	Hayes et al.	358/342
4,857,999	August 15, 1989	Welsh	358/84
4,862,268	August 9, 1989	Campbell et al.	358/141
4,864,615	September 5, 1989	Bennett et al.	380/21
4,876,736	October 24, 1989	Kiewit	455/2
4,879,611	November 7, 1989	Fukui et al.	360/69
4,885,579	December 5, 1989	Sandbank	340/825.72
4,885,632	December 5, 1989	Mabey et al.	358/84
4,888,638	December 19, 1989	Bohn	358/84
4,888,796	December 19, 1989	Olivo, Jr.	379/101
4,890,320	December 26, 1989	Monslow et al.	380/10
4,891,703	January 2, 1990	Noudan	358/142
4,897,867	January 30, 1990	Foster et al.	379/94
4,907,260	March 6, 1990	Prohs et al.	379/224
4,907,273	March 6, 1990	Wiedmer	380/16
4,908,707	March 13, 1990	Kinghorn	358/147
4,908,713	March 13, 1990	Levine	358/335
4,908,834	March 13, 1990	Wiedmer	380/5
4,908,845	March 13, 1990	Little	379/51
4,912,552	March 27, 1990	Allison, III et al	358/84
4,914,517	April 3, 1990	Duffield	358/191.1
4,930,158	May 29, 1990	Vogel	380/5
4,931,871	June 5, 1990	Kramer	358/142

4,931,877	June 5, 1990	Gebhardt et al.	358/335
4,935,870	June 19, 1990	Bork, Jr. et al.	364/200
4,939,773	July 3, 1990	Katz	379/204
4,943,963	July 24, 1990	Waechter et al.	370/94.1
4,945,412	July 31, 1990	Kramer	358/142
4,945,563	July 31, 1990	Horton et al.	380/5
4,947,302	August 7, 1990	Callahan	362/233
4,949,187	August 14, 1990	Cohen	358/335
4,954,899	September 4, 1990	Tanabe et al.	358/191.1
4,959,720	September 25, 1990	Duffield et al.	358/191.1
4,963,994	October 16, 1990	Levine	358/335
4,963,995	October 16, 1990	Lang	358/335
4,965,825	October 23, 1990	Harvey et al.	380/9
4,967,273	October 30, 1990	Greenberg	358/142
4,975,951	December 9, 1990	Bennett	380/20
4,977,455	December 11, 1990	Young	358/142
4,982,430	January 1, 1991	Frezza et al.	380/50
4,989,104	January 29, 1991	Schullein et al.	360/72.1
4,991,011	February 5, 1991	Johnson et al.	358/141
4,991,025	February 5, 1991	Eigeldinger	358/310
4,993,003	February 12, 1991	Fechner et al.	368/47
4,993,066	February 12, 1991	Jenkins	380/16
4,994,908	February 19, 1991	Kuban et al.	358/86
4,995,078	February 19, 1991	Monslow et al.	380/10
5,001,554	March 19, 1991	Johnson et al.	358/86
5,002,491	March 26, 1991	Abrahamson et al.	434/322
5,003,384	March 26, 1991	Durden et al.	358/84
5,003,591	March 26, 1991	Kauffman et al.	380/10
5,010,459	April 23, 1991	Taylor et al.	362/85
5,012,510	April 30, 1991	Schaubs et al.	379/92
5,013,038	May 7, 1991	Luxenberg et al.	273/439
5,014,125	May 7, 1991	Pocock et al.	358/86
5,016,272	May 14, 1991	Stubbs et al.	380/5
5,016,273	May 14, 1991	Hoff	380/10
5,027,400	June 25, 1991	Baji et al.	380/20
5,029,207	July 2, 1991	Gammie	380/10
5,038,211	August 6, 1991	Hallenbeck	358/142
5,045,816	September 3, 1991	Bramhall et al.	332/105
5,045,947	September 3, 1991	Beery	358/192.1
5,047,867	September 10, 1991	Strubbe et al.	358/335
5,047,928	September 10, 1991	Wiedemer	364/406
5,055,924	October 8, 1991	Skutta	358/84
5,057,932	October 15, 1991	Lang	358/335
5,058,160	October 15, 1991	Banker et al.	380/20

5,062,136	October 29, 1991	Gattis et al.	380/18
5,067,149	November 19, 1991	Schneid et al.	379/224
5,072,418	December 10, 1991	Boutaud et al.	364/715.06
5,075,771	December 24, 1991	Hashimoto	358/84
5,083,800	January 12, 1992	Lockton	273/439
5,093,718	March 3, 1992	Hoarty et al.	358/84
5,093,921	March 3, 1992	Bevins Jr.	455/4
5,101,267	March 31, 1992	Morales-Garza	358/84
5,108,115	April 28, 1992	Berman et al.	273/439
5,109,414	April 28, 1992	Fechner et al.	368/47
5,111,401	May 5, 1992	Everett, Jr. et al.	364/424.02
5,113,496	May 12, 1992	McCalley et al.	395/200
5,120,076	June 9, 1992	Luxemburg et al	273/439
5,124,942	June 23, 1992	Nielsen et al.	395/100
5,132,992	July 21, 1992	Yurt et al.	375/122
5,133,079	July 21, 1992	Ballantyne et al.	455/4.1
5,140,419	August 18, 1992	Galumbeck et al.	358/142
5,142,677	August 25, 1992	Ehlilg et al.	395/650
5,142,690	August 25, 1992	McMullan, Jr. et al.	455/6.1
5,144,664	September 1, 1992	Esserman et al.	380/20
5,148,482	September 15, 1992	Bocci et al.	380/48
5,151,789	September 29, 1992	Young	358/194.1
5,155,590	October 13, 1992	Beyers, II et al.	358/86
5,155,591	October 13, 1992	Wachob	358/86
5,155,812	October 13, 1992	Ehlilg et al.	395/275
5,157,716	October 20, 1992	Naddor et al	379/92
5,164,839	November 17, 1992	Lang	358/335
5,172,413	December 15, 1993	Bradley et al.	380/20
5,181,113	January 19, 1993	Chang	358/142
5,185,796	February 9, 1993	Wilson	380/21
5,187,797	February 16, 1993	Nielsen et al.	395/800
5,191,410	March 7, 1993	McCalley et al.	358/86
5,195,092	March 16, 1993	Wilson et al.	370/94.2
5,195,134	March 16, 1993	Inoue	380/20
5,202,916	April 13, 1993	Oliver	379/106
5,204,768	April 20, 1993	Tsakiris et al.	359/148
5,208,665	May 4, 1993	McCalley et al.	358/86
5,212,553	May 18, 1993	Maruoka	358/188
5,213,337	May 25, 1993	Sherman	273/439
5,216,504	June 1, 1993	Webb et al.	358/139
5,220,501	June 15, 1993	Lawlor et al.	364/408
5,222,137	June 22, 1993	Barrett et al.	380/21
5,223,924	June 29, 1993	Strubbe	358/86
5,225,902	July 6, 1993	McMullan, Jr.	358/86

5,226,177	July 6, 1993	Nickerson	455/2
5,231,493	July 27, 1993	Apitz	358/146
5,233,654	August 3, 1993	Harvey et al.	380/20
5,235,415	August 10, 1993	Bonice et al.	358/84
5,235,619	August 10, 1993	Beyers, II et al.	375/38
5,235,634	August 10, 1993	Oliver	379/106
5,237,417	August 17, 1993	Hayashi et al	358/183
5,237,610	August 17, 1993	Gammie et al.	380/10
5,239,575	August 24, 1993	White et al.	379/107
5,247,364	September 21, 1993	Banker et al.	358/191.1
5,247,575	September 21, 1993	Sprague et al.	380/9
5,251,324	October 5, 1993	McMullan, Jr.	455/2
5,251,909	October 12, 1993	Reed et al.	273/439
5,252,077	October 12, 1993	Schott	434/335
5,253,066	October 12, 1993	Vogel	358/188
5,253,275	October 12, 1993	Yurt et al.	375/122
5,254,977	October 19, 1993	MacDonald	345/150
5,255,086	October 19, 1993	McMullan, Jr. et al.	358/86
5,260,778	November 9, 1993	Kauffman et al.	358/86
5,266,944	November 30, 1993	Carroll et al.	340/825.36
5,267,305	November 30, 1993	Prohs et al.	379/233
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